

INFORMATION DISCLOSURE CITATION

PTO-1449

 ATTY. DOCKET NO.
A-65358/WHD/DAV

 SERIAL NO.
08/908,469

 APPLICANT
BACA et al.

 FILING DATE
August 6, 1997

 GROUP
UNKNOWN

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS		PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
su	A	5,530,101	6/1996	Queen et al.	530	387.3	
su	B	4,816,567	3/1989	Cabilly et al.	530	387	

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS		PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							Yes	No
su	C	2 188 638	10/1987	GB				
	D	0 451 216	1/1996	EP				
	E	91/09967	7/11/91	WO				
	F	96/30046	10/3/96	WO				
	G	94/04679	3/3/94	WO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

su	1	Kim et al., "The Vascular Endothelial Growth Factor Proteins: Identification of Biologically Relevant Regions by Neutralizing Monoclonal Antibodies," <i>Growth Factors</i> 7:53-64 (1992).					
	2	Kim et al., "Inhibition of Vascular Endothelial Growth Factor-Induced Angiogenesis Suppresses Tumor Growth <i>in vivo</i> ," <i>Nature</i> 362:841-844 (1993).					

EXAMINER

DATE CONSIDERED

INFORMATION DISCLOSURE CITATION

PTO-1449

 ATTY. DOCKET NO.
A-65358/WHD/DAV

 SERIAL NO.
08/908,469

 APPLICANT
BACA et al.

 FILING DATE
August 6, 1997

 GROUP
UNKNOWN

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

- | | |
|----|--|
| | Alberts et al., <i>Molecular Biology of the Cell</i> , 3rd Ed., Garland Publishing, p. 1154 (1994). |
| 4 | Chothia et al., "Domain Association in Immunoglobulin Molecules The Packing of Variable Domains" <i>J. Mol. Biol.</i> , 186:651-663 (1985). |
| 5 | Foote et al., "Antibody Framework Residues Affecting the Conformation of the Hypervariable Loops" <i>J. Mol. Biol.</i> , 224:487-499 (1992). |
| 6 | Queen et al., "A Humanized Antibody that Binds to the Interleukin 2 Receptor," <i>PNAS USA</i> , 86:10029-10033 (1989). |
| 7 | Kettleborough et al., "Humanization of a Mouse Monoclonal Antibody by CDR-Grafting: The Importance of Framework Residues on Loop Conformation" <i>Protein Eng.</i> , 4(7):773-783 (1991). |
| 8 | Tempest et al., "Reshaping a Human Monoclonal Antibody to Inhibit Human Respiratory Syncytial Virus Infection <i>in vivo</i> " <i>Biotechnology</i> , 9:266-271(1991). |
| 9 | Padlan, "A Possible Procedure for Reducing the Immunogenicity of Antibody Variable Domains While Preserving their Ligand-Binding Properties," <i>Mol. Immunol.</i> , 28(4/5):489-198 (1991). |
| 10 | Roguska et al., "Humanization of Murine Monoclonal Antibodies Through Variable Domain Resurfacing" <i>PNAS USA</i> , 91:969-973 (1994). |
| 11 | Studnicka et al., "Human-Engineered Monoclonal Antibodies Retain Full Specific Binding Activity by Preserving non-CDR Complementarity-Modulating Residues" <i>Protein Eng.</i> , 7:805 (1994). |
| 12 | Allen et al., "Specificity of the T Cell Receptor: Two Different Determinants are Generated by the Same Peptide and the I-A ^k Molecule ^{1,2} " <i>J. Immunol.</i> , 135:368-373 (1985). |
| 13 | Carter et al., "Humanization of an anti-p185 ^{HER2} Antibody for Human Cancer Therapy" <i>PNAS USA</i> , 89:4285-4289 (1992). |
| 14 | Presta et al., "Humanization of an Antibody Directed Against IgE" <i>J. Immunol.</i> , 151:2623-2632 (1993). |
| 15 | Eigenbrot et al., X-Ray Structures of Fragments From Binding and Nonbinding Versions of a Humanized Anti-CD18 Antibody: Structural Indications of the Key Role of V _H Residues 59-65" <i>Proteins</i> , 18:49-62 (1994). |
| 16 | Shalaby et al., "Development of Humanized Bispecific Antibodies Reactive with Cytotoxic Lymphocytes and Tumor Cells Overexpressing the <i>HER2</i> Protooncogene" <i>J. Exp. Med.</i> , 175:217-225 (1992). |
| 17 | Kabat et al., <i>Sequences of Proteins of Immunological Interest</i> , U.S. Dept. Of Health and Human Services, NIH, 5th edition, Vol 1:103-108, 324-331 (1991). |
| 18 | Rosok et al., "A Combinatorial Library Strategy for the Rapid Humanization of Anticarcinoma BR96 Fab" <i>J. Biol. Chem.</i> , 271:22611-22618 (1996). |
| 19 | Novotný and Haber, "Structural Invariants of Antigen Binding: Comparison of Immunoglobulin V _L -V _H and V _L -V _L Domain Dimers" <i>Proc. Natl. Acad. Sci. USA</i> , 82:4592-4596 (1985). |
| | |
| | |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

OCT 30 1997

SHEET 1 OF 1

INFORMATION DISCLOSURE CITATION

PTO-1449

ATTY. DOCKET NO.
A-65358/WHD/DAVSERIAL NO.
09/908,469APPLICANT
BACA et al.

ATTACHED TO

FILING DATE
April 6, 1997GROUP
1642

#9

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

See	1	Lowman et al., "Selecting High-Affinity Binding Proteins by Monovalent Phage Display," Biochemistry, 30:10832-10838 (1991)
↓	2	Hawkins et al., "Selection of Phage Antibodies by Binding Affinity Mimicking Affinity Maturation," J. Mol. Biol. 226:889-896 (1992)

EXAMINER

DATE CONSIDERED

4/5/99

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

8085 1449A.FRM (8/95) 599858